



20

PATENT
P56077

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KWANG-JIN YANG et al.

Serial No.: 09/621,009

Examiner: CURS, NATHAN M.

Filed: 20 July 2000

Art Unit: 2633

For: BIT-RATE INDEPENDENT OPTICAL RECEIVER AND METHOD THEREOF

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § § 1.56, and 1.97 and 1.98 applicant cites, lists and discusses and encloses copies of the following art references:

U.S. PATENT REFERENCES:

1. U.S. Patent No. 5,774,002 to Guo et al., entitled *FREQUENCY DOUBLE FOR AN OPTICAL TRANSCEIVER CLOCK RECOVERY CIRCUIT*, issued on 30 June 1998.

FOREIGN PATENT REFERENCES:

1. Japanese Patent Application Publication No. JP10313277 to Asahi, entitled *BIT RATE AUTOMATIC IDENTIFICATION DEVICE, BIT RATE SELECTION TYPE TIMING EXTRACT DEVICE, BIT RATE SELECTION TYPE IDENTIFICATION REGENERATING DEVICE, BIT RATE SELECTION TYPE OPTICAL REGENERATIVE REPEATER AND BIT RATE AUTOMATIC IDENTIFICATION METHOD*, published on 24 November 1998.

OTHERS:

Search Report dated 6 April 2005, to corresponding French Patent Application No. 00 07856 filed on 20 June 2000, entitled *Recepteur optique independant du debit de bits et procede pour celui-ci*.

DISCUSSION

Guo'002, which was cited in a Search Report to the corresponding French Patent Application No. 00 07856, relates to a clock recovery circuit for recovering the data of a non-return to zero signal received at an optical transceiver. The clock recovery circuit includes an active element mixer for doubling the frequency of the received non-return to zero encoded digital signal. The mixer includes a delay element for delaying the received non-return to zero signal and an exclusive-OR circuit for exclusive-ORing the delayed and received non-return to zero signals. A SAW filter is also provided for recovering a clock from the frequency doubled signal outputted by the mixer.

Asahi'277, which was also cited in the Search Report, relates to obtaining a bit selection type optical regenerative repeater with an excellent transmission characteristic by selecting pluralities of bit rate so as to effectively utilize a wavelength component inexpensively.


The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 CFR § 1.97 (e)(1), that each item of information contained in the Information

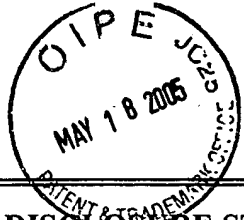
Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than (3) three months prior to the filing of the Information Disclosure Statement.

No fee is incurred by filing this Information Disclosure Statement. However, should fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,


Robert E. Bushnell
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: (202) 408-9040
Folio: P56077
Date: 18 May 2005



**INFORMATION DISCLOSURE STATEMENT
PTO-1449 (PAGE 1 OF 1)**

SERIAL NUMBER 09/621,009

DOCKET NO. P56077

APPLICANT KWANG-JIN YANG et al.

FILING DATE 20 July 2000

GROUP 2633

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|----------------------|-----------------|------|------------|-------|----------|-------------|
| | 5,744,002 | | Guo et al. | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

TRANSLATION

| DOCUMENT NUMBER | DATE | COUNTRY | CLAS | SUBCLASS | YES | NO |
|-----------------|------|---------|------|----------|----------|----|
| JP 10313277 | | JAPAN | | | ABSTRACT | |
| | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|--|
| | |
| | |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

United States Patent and Trademark Office OG Notices: 05 August 2003

Information Disclosure Statements
May Be Filed Without Copies of
U.S. Patents and Published Applications in
Patent Applications filed after June 30, 2003

Background

The U.S. Patent and Trademark Office (USPTO or Office) regulations concerning Information Disclosure Statements (IDSs) currently require that copies of the cited references be submitted with the IDS listing. See 37 CFR 1.98 (a)(2). In a prior notice in the Official Gazette this requirement was partially waived with respect to U.S. patents and U.S. patent application publications when an applicant submitted an IDS using the Office's electronic filing system (as an electronic IDS, eIDS). See Legal Framework for the Use of the Electronic Filing System, 1263 Off. Gaz. Pat. Off. 60, 10/8/2002, Part V.

All U.S. applications¹ filed after June 30, 2003 are stored in electronic form in the Office's Image File Wrapper (IFW) system.² IDSs submitted for these electronic applications are processed by Office staff to create an electronic link which permits cited U.S. patents and U.S. patent application publications to be conveniently viewed by examiners through the Office's patent search system. This feature enables the Office to avoid scanning these documents into IFW, obviating the need for their submission.

Waiver

The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed.

Applicants are still required to submit copies of foreign patent documents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

FOR FURTHER INFORMATION CONTACT:

Questions concerning this waiver may be submitted to Jay Lucas by e-mail at Jay.Lucas@uspto.gov or by telephone at (703) 308-6868. Comments may also be submitted by mail addressed to: Commissioner for Patents, Box Comments - Patents, Post Office Box 1450, Alexandria, VA 22313-1450, or by facsimile to (703) 305-2919, marked to the attention of Jay Lucas.

STEPHEN G. KUNIN
Deputy Commissioner for
Patent Examination Policy

¹ Except in special situations, such as in applications under secrecy order or containing national security markings.

2 See Notification of United States Patent and Trademark Office Patent Application Records being Stored and Processed in Electronic Form, 1271 Off. Gaz. Pat. Off. 100, 6/17 2003.